

DAVID G. REICHERT  
8TH DISTRICT, WASHINGTON



WASHINGTON OFFICE:  
1730 LONGWORTH HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515-4708  
TELEPHONE: (202) 225-7761  
FAX: (202) 225-4282

COMMITTEE ON WAYS AND MEANS  
SUBCOMMITTEE ON TRADE  
SUBCOMMITTEE ON OVERSIGHT  
SUBCOMMITTEE ON SOCIAL SECURITY

DISTRICT OFFICE:  
2737 78TH AVENUE, SE, SUITE 202  
MERCER ISLAND, WA 98040  
TELEPHONE: (206) 275-3438  
TOLL FREE: (877) 920-9208  
FAX: (206) 275-3437  
[www.house.gov/reichert](http://www.house.gov/reichert)

**Congress of the United States**  
**House of Representatives**  
**Washington, DC 20515-4708**

April 2, 2009

The Honorable David Obey  
Chairman  
House Appropriations Committee  
H-218, The Capitol  
Washington, DC 20515

The Honorable Jerry Lewis  
Ranking Member  
House Appropriations Committee  
1016 Longworth House Office Building  
Washington, DC 20515

Dear Chairman Obey and Ranking Member Lewis:

I am requesting funding in the FY 2010 Energy and Water Development Appropriations bill, EERE Account for biofuels research. The entity to receive funding for this project is the University of Washington, located in Seattle, WA 98195. The funding would be used for converting Washington State mixed biomass sources into transportation fuels. I certify that neither I nor my spouse has any financial interest in this project.

I hereby certify that this request will be made publicly available on my Official Website as required by Chairman Obey's new Committee policy that only posted requests will be considered.

Consistent with the Republican Conference's policy on project requests, I hereby certify that to the best of my knowledge this request: (1) is not directed to an entity or program that will be named after a sitting Member of Congress; (2) is not intended to be used by an entity to secure funds for other entities unless the use of funding is consistent with the specified purpose of the earmark; and (3) meets or exceeds all statutory requirements for matching funds where applicable. I further certify that should this request be included in the bill, I will place a statement in the Congressional Record describing how the funds will be spent and justifying the use of federal taxpayer funds.

Sincerely,

DAVID G. REICHERT  
Member of Congress



## OFFICE OF CONGRESSMAN DAVE REICHERT (WA-08)

### PROJECT REQUEST CERTIFICATION

By submitting this request for federal funding, I certify that:

- This project directly benefits the residents of Washington's Eighth Congressional District and merits federal funding assistance.
- None of the funds requested will be used for a new building, program, or project named after a sitting Member of Congress.
- None of the funds requested will be used to secure funds for other entities unless the use of funding is consistent with the specified purpose of the project request.
- For requests where the receiving entity is not a unit of federal, state, or local government, or where the entity receiving the funding will not be providing support to a federal, state, or local government, or will not be providing research, the organization will provide matching funds, including in-kind contributions of 5% or more above the statutory requirement.
- For requests from non-federal, -state, or -local government entities or other public institutions, the organization will submit an End User Letter(s) of Support from a public official representing the direct beneficiaries of the project. This will be inserted into the Congressional Record and disclosed on the Member's Congressional Website.
- Under separate cover, I agree to provide a comprehensive plan outlining the sources of funding for the duration of the project; the percent and source of required matching funds, anticipated sources of the funding for the duration of the project, and a detailed budget for how federal funding assistance will be used to support the project.
- In the interest of transparency, any information submitted with this project request may be disclosed for public review, including but not limited to the Committee or Member's Congressional Website and the Congressional Record.
- Should the project receive federal funding, I agree to disclose whether I hired a lobby firm; if so, the name of the lobby firm; and how much was paid to advocate for this project.

PROJECT NAME: Washington State Biofuels Industry Development

NAME OF PERSON CERTIFYING: Christy D. Gullion

TITLE OF PERSON CERTIFYING: Director of Federal Relations

LEGAL NAME OF ENTITY MAKING REQUEST: University of Washington

LEGAL ADDRESS OF ENTITY MAKING REQUEST: Seattle, WA 98195

SIGNATURE: Christy D. Gullion

DATE: 3/20/09

ITEM PRIORITY	COST	1/2A & 1/2B"
Laboratory renovations and modernization	\$1,500,000	
Processing equipment		
High-Throughput Catalyst Test Reactor	\$ 150,000	B
Catalytic Flow reactors (2)	\$ 80,000	B
Recirculation high temperature & high pressure	\$ 50,000	C
High pressure fuel injection system for fuel analysis	\$ 80,000	B
High pressure steam reactor with decompression capability and boiler	\$ 500,000	A
2L and 40L Fermenters	\$ 300,000	1/2B & 1/2C
Large scale autoclave	\$ 80,000	C
Large scale high speed centrifuge	\$ 40,000	C
Glove box and other miscellaneous supplies	\$ 75,000	C
Analytical Equipment		
Variable Temperature Atomic Microscope (STM-AFM)	\$ 250,000	B
Infrared spectrometer (including DRIFTS capabilities & IR microscope)	\$ 250,000	C
GC-Mass spectrometer	\$ 200,000	C
HPLC configured for catalysis research	\$ 75,000	B
On line mass spectrometer	\$ 50,000	C
GC and Micro GC for fast analysis	\$ 100,000	B
Liquid Chromatography Mass Spectroscopy LCMS	\$ 180,000	A
X-ray Diffractometry	\$ 190,000	C
Elemental Analyzer	\$ 80,000	C
Confocal microscope	\$ 300,000	B
Fast protein liquid chromatograph	\$ 125,000	C
Total	\$4,655,000	

# FY2010 APPROPRIATIONS REQUEST FORM

## REPRESENTATIVE DAVE REICHERT (WA-08)

(ONE project/program per form)

### GENERAL INFORMATION

Organization making request: University of Washington		Federal Tax Status: (i.e. 501(c)3) Public non-profit university	
Address: University of Washington			
City: Seattle	State: WA	ZIP Code: 98195	
Point of Contact(POC): Christy Gullion			
Phone: (202) 624-1424 –office, (202) 680-2159 – mobile		Email: <a href="mailto:cgullion@u.washington.edu">cgullion@u.washington.edu</a>	
Address: 444 North Capitol Street, Suite 418			
City: Washington	State: DC	ZIP Code: 20001	
DC Representation (if any): Christy Gullion/UW Office of Federal Relations –Assisted by Denny Miller Associates, Washington2 Advocates			
Phone: Same as above		Email:	
Address: Same as above			
City: Same as above	State:	ZIP Code:	

### PROJECT/PROGRAM INFORMATION

**PROJECT TITLE:** WA State Biofuels Industry Development

Prioritized: 4 of 4 total requests for your organization

**Appropriations Bill: (Please check)**

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Commerce, Justice, Science	<input checked="" type="checkbox"/> Defense
<input checked="" type="checkbox"/> Energy and Water	<input type="checkbox"/> Interior and Environment	
<input type="checkbox"/> State, Foreign Operations	<input type="checkbox"/> Labor, Health and Human Services, and Education	
<input type="checkbox"/> Military Construction, Veterans' Administration	<input type="checkbox"/> Homeland Security	
<input type="checkbox"/> Transportation, Housing and Urban Development	<input type="checkbox"/> Financial Services	
<input type="checkbox"/> Legislative Branch		

**Agency/Bureau** (i.e. FBI; Corps of Engineers; US Navy; ARS, etc.): **Energy**

**Account** (i.e. Buildings and Facilities, Aviation Safety; Capital Improvements, etc):  
**Energy Efficiency and Renewable Energy Projects**

**Amount requested for FY2010:** \$1 million

**Total cost of project:** \$4.66 million

**Minimum amount of FY2010 funding needed to begin or sustain this project:** \$500,000

Is this program authorized? ☐ YES ☒ NO If YES, bill number: N/A Year:

Is this program funded in the President's FY10 budget request? ☐ YES ☒ NO If YES, amount: \$ N/A

Anticipated total future requests: \$ TBD Over the next years

Local, state and/or private funding sources: University of Washington

Total Amount: \$260,000 Over the next years Spent on renovation

Other sources of Federal funding: FY09 appropriation

Total Amount: \$475,750 Over the next 1 years

Federal Agency Sponsor or Program Manager: N/A

Office: N/A

# FY2010 APPROPRIATIONS REQUEST FORM

## REPRESENTATIVE DAVE REICHERT (WA-08)

(ONE project/program per form)

Phone Number: N/A

Other agency advocate (if any): N/A

Office:

Phone Number:

Are you requesting this through any other office(s): Yes

If yes, which office(s): Sen. Cantwell, Sen. Murray, Rep. McMorris-Rodgers, Rep. Larsen, Rep. Smith, Rep. Hastings

### PROJECT FUNDING HISTORY (FROM CURRENT YEAR BACKWARD)

FISCAL YEAR	PRESIDENT'S REQUEST	ORGANIZATION'S REQUEST	FUNDING AMOUNT	APPROPRIATIONS BILL	ACCOUNT, SUBACCOUNT
2009	0	\$5 million	\$475,750	Energy & Water	Energy Eff. & Renewable

### Executive Summary/Project Description (MAXIMUM 200 Words):

- Please include a discussion of the project's merits, relevance, eligibility, and why it is a valuable use of taxpayer funds.
- Please limit your description to 200 words.
- You may attach additional information, however, please understand that the description provided below will be used for any and all public disclosure requirements.

The University of Washington's Center for Biofuels is working on processes to convert Washington mixed biomass sources into transportation fuels. However, the center is lacking critical equipment and lab facilities to do the comprehensive research that is necessary to design a commercial scale facility. Acquisition of the required equipment would provide for the establishment of a world class research laboratory and a comprehensive services laboratory that Washington state commercial operations will need to optimize and refine their processes.

The University has already provided for lab renovations to jump start this initiative. Federal funding would be used to purchase critical equipment such as a high pressure steam reactor with decompression capability and boiler; analytical equipment especially designed for biofuels analysis; a high pressure catalytic reactor; and a high pressure fuel injection system.

### Justification of funding:

- How does this request fit within the identified bill and account (cite specific precedents and overall purpose of account)?
- How many jobs could this project create and how will it benefit Washington's 8<sup>th</sup> Congressional District?

Twenty years from now biofuels will be a major global industry. A modern and comprehensive laboratory, that will enable the University to reach its goal of being a leader in the basic and applied research, is needed to attract biofuels companies to our state and region. The result will be new companies locating in the state of Washington so they can take advantage of the resources, engineers, and scientists produced by this project.

Biofuels has the potential to be a multi-billion dollar industry as we move from petroleum based fuels. States in the Midwest and Southeast are aggressively funding research and development so they can participate in this new industry. Washington State could potentially miss this huge opportunity because processes have not been developed that fit our biomass composition and current infrastructure. The funds from this directed appropriation would lead to development of the technologies that will enable Washington state to have a viable biofuels industry. A substantial biofuels industry would result in job creation, especially in rural areas, environmental benefits including improved forest health and reduced solid waste, and is essential if we are to meet the carbon emission goals established by Governor Gregoire.

# FY2010 APPROPRIATIONS REQUEST FORM

## REPRESENTATIVE DAVE REICHERT (WA-08)

(ONE project/program per form)

Specific language proposed for Congressman's request to the subcommittee (if any):  
N/A

Is there any other relevant information regarding this request that you would like to share?

### CONTINUE FOR DEFENSE REQUEST ONLY:

What is the name and number of the Program Officer for this request?

Have you contacted the Program Officer?

Appropriations Account: (Please check)

☐ RDT&E    ☐ Procurement    ☐ O&M    ☐ Counter Drugs    ☐ Medical  
☐ Reserve Equipment    ☐ National Guard Equipment    ☐ Other (DW, for example)

Service: (Please check)

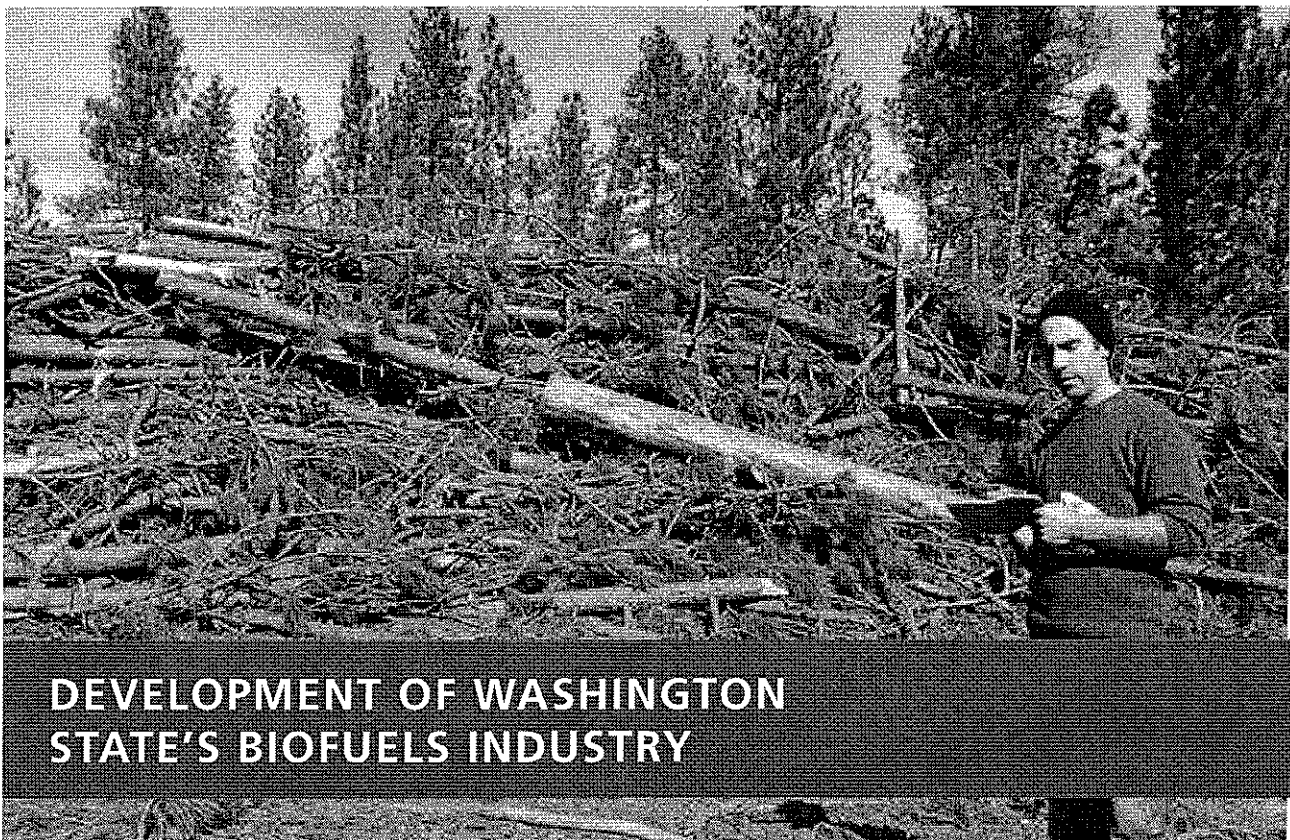
☐ Army    ☐ Army Reserve    ☐ Navy    ☐ Navy Reserve    ☐ Marine Corps    ☐ Marine Corps Reserve  
☐ Air Force    ☐ Air Force Reserve    ☐ Intelligence    ☐ Army Guard    ☐ Air National Guard

Line Item Title:

Identification:

R-1/PE #    P-1/Line #    TIARA/JMIP (Intel Only)

Sub-Activity Group (required for Personnel and O&M):



## DEVELOPMENT OF WASHINGTON STATE'S BIOFUELS INDUSTRY

**Project summary:** Requested funding will support the provision of critical equipment for converting Washington state mixed biomass sources into transportation fuels.

**Background:** The University of Washington's Center for Biofuels is working on processes to convert Washington mixed biomass sources into transportation fuels. However, the center is lacking critical equipment and laboratory facilities to do the comprehensive process research that is necessary to design a commercial-scale facility. Acquisition of the required equipment would provide for the establishment of a world-class research laboratory and a comprehensive service laboratory that Washington state commercial operations will need to optimize and refine their processes.

The case for a substantial biofuels industry in Washington state is compelling. Washington produces roughly 70 percent of its electrical power with non-greenhouse emitting processes. Almost 100 percent of the energy used for transportation, however, is from greenhouse emitting fuels. If Washington state wants to achieve the aggressive greenhouse gas emissions goals outlined by Governor Chris Gregoire for 2020 and beyond, it will need to develop a substantial biofuels industry. The University of Washington seeks a strong partnership with the federal government in its biofuels research, as the work undertaken on campus has positive implications that extend well beyond the borders of Washington state and connects to a stated policy goal of the new presidential administration.

**Project:** The University has provided approximately \$260,000 for laboratory renovations to jump-start this initiative. However, critical equipment is lacking. Federal funding would be used to purchase the following (a full list of necessary equipment is available through the UW Office of Federal Relations):

- High pressure steam reactor with decompression capability and boiler;
- Analytical equipment especially designed for biofuels analysis;
- High pressure catalytic reactor; and
- High pressure fuel injection system.

The laboratory will be located in space already identified within the College of Forest Resources and Department of Chemical Engineering.

**Need:** Twenty years from now biofuels will be a major global industry. A modern and comprehensive laboratory that will enable the University to be a leader in the basic and applied research is needed to attract biofuels companies to our state and region. The University's vision is to help attract these companies and train the engineers and scientists who will lead them.

## DEVELOPMENT OF WASHINGTON STATE'S BIOFUELS INDUSTRY (CONTINUED)

Development and expansion of the biofuels industry is a major priority of the federal government. In the next decade it wants to produce over 30 billion gallons of renewable fuels. Currently, only 9 billion gallons are produced annually, and nearly all of it comes from corn. President Obama has pledged to advance aggressive biofuels research programs such as this one.

**Request:** The University of Washington requests federal support of \$1 million through the FY 2010 Energy & Water Appropriations bill.